25X1 (Figure 1) (Figur

Approved For Release 2002/09/03 : CIA-RDP78B04767A000300050010-1

25X1A

NPIC to evaluate the PI quality of the green vs. red record.

to make the best bi-color prints possible.

25X1

25X1

Approved For Release 2002/09/03 : CIA-RDP78B04767A000300050010-1

After much discussion among the group, the Committee decided on conclusion (c) above; that is, that there is no technical reason why operational bi-color should not be taken if COMIREX so desires.

-CR-3 Operations Plan

25X1

Filters Planned		Filter Factor
Forward looking	W-25 primary	3
	W-12 alternate	1 1/2
Aft looking	W-21 primary	2
	SF-05 alternate	2 1/2

1. Engineering Operation

Filter change from W-12 to W-25 with slit change from narrow to wider respectively

	4	ops	(30	${\tt frames}$	each)
SF-05/W-25	2	ops	(17	frames	each)
Mono	4	ops	(12	frames	each)

Mono operations were tested after mission termination on CR-1 and the end of the second bucket on CR-2. It appears that smear goes away about the 8th frame after mono start-up. Mono operations on CR-3 are to determine for certain the amount of film waste attributable to start-up smear.

Vehicle health checks are normally run every other day. Usually 12-15 frames are consumed by each check. The engineering operations listed above will replace health checks.

2. Estimated Engineering FilmUsage

Preflight	100	frames
A bucket	137	frames
Health/Mono (60)		
W-12 to $W-25$ (60)		
SF-05 & W-25 (17)		
B bucket	137	frames
(Sama distribution as A bushat)		

(Same distribution as A bucket)

Considering thin base film, the percentage of film devoted to engineering is roughly 374/6150 = 6.1%. A 1500 ft. (per camera) tag on test strip of UTB will be flown on CR-3 and will raise the total footage slightly thereby reducing the percent above. ______ is striving to keep engineering usage to about 5%;

25X1A

25X1A

25X1 25X1A

Approved For Release 2002/09/03 : CIA-RDP 8B04767A000300050010-1

Page Three

Approved For Release 2002/09/03 : CIA-RDP78B04767A000300050010-1

25X1

	therefore, minor modification to the engineering plan above may result.
25X1A	
25X1A	-Summary of SO-180 and SO-340 Corona Marking

Results of the chamber tests with QR-2 are summarized in Attachment 2.

Both SO-180 (IR) and SO-340 (High Speed Night) were marked very badly at internal camera pressures and at pressures less than one micron. The marking was edge to edge and continuous throughout the format.

There appeared to be a relatively free window at 20 microns on both materials. The width of this window has not yet been ascertained.

As the pressure approaches 160 microns, the corona level is significantly reduced, disappearing entirely on SO-180 and becoming very light on SO-340.

Discussion--Future Experiments

CR - 3

The Committee recommends bi-color operations against specific requirements with two engineering targets for comparison. UTB has been fully tested to the satisfaction of AP and ______. Test strips of SO-380 (UTB) will be flown.

CR - 4

A night test with SO-340 is presently planned. This may be changed to a 3400 sun line test pending the outcome of a 3400 test on ______ 25X1 March and the results of continued corona marking tests on SO-340.

A test strip of SO-180 is also scheduled. Test targets were discussed, but will await final selection until the next Committee meeting.

CR - 5

Tentative plans are to fly a 500-foot test strip of SO-121 color on this mission. Kodachrome II will not be ready for the CR-5 flight.

25X1A

25X1

Approved For Release	2002/09/0	3 : CIA-R	DP78	B047	7A000	300050	010-	-1
		# # # 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* 1		Page	Four	1:-	٠,,

	The state of the s		
	Approved For Re le ase 2002/09/03 : CIA-RDP78B04767A000300050010-1		25X1
		25X1A	
	Kodachrome II is still being evaluated as a No machines are presently available to process 70 mm Kodac Also, it will take 6 to 8 months to get Kodachrome II on thin I with pelloid backing. It is estimated that 12-15 months will b to develop a processing capability. Until that time, 70 mm w and processed through the commercial 35 mm processors. A chrome II test strip will be scheduled in about 8 months.	test. hrome II Estar bas e require	se .
	<u>CR-6</u>		
25X1A	Stated that the Shift Register is planned for CR-6; the CR-8 was selected as the earliest time for a through focus tess is scheduled to fly before CR-7.	nerefore, st. CR-8	}
:	25X1A For Revised Test Plan See Attachment 3.		
	-Three Questions for Committee Consideration	2	25X1A
25X1A	to low gamma process it? agreed that a test bed operation may be useable, but the jury rig used previously has bee mantled. Assuming that the test bed could be used only 100-150 fe be handled at a time. 2. What is being done about a slower speed higher resolution will check. 3. Would high resolution black and white ID I.	n dis- et could 3404?	
	3. Would high resolution black and white IR be useful for crop Committee generally negativewould rather wait for SO-180 result	analysis ts.	!?
	The meeting was concluded with the following action items:		
25X1A	will see if any development of half speed 3404 is un		
25X1A	will determine status of the low gamma processing 3.		
25X1	3. to analyze the type 3400 film tha exposed The purpose of the analysis is to determine the a of density recorded and ground illumination.	t is to be ssociatio	: on
25X1A	4. was asked to accumulate information regarding the color film in the T-1 tracker camera. Since the scale of the tracker photography is close to that of the camera system, it is exto lend insight to the usefulness of small scale color photography.	r	25X1
	25X1	IA	25X1

RDP78B04767A000300050010-1

Approved For Release 2002/09/03

	Approved For Release 2002/09/03 : CIA-R	RDP78BU4767A000300050010-1	25X1
	25X1A		
ä	5. will locate USIB docu	ament that specifies the priority	of crop
	25X1A 6. is to locate VELA Un	uiform reports.	

	25X1A
(Reviewed by	
Minutes App	

25X1A